AMICO

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OWNER'S MANUAL

PLEASE READ THIS MANUAL CAREFULLY.
IT CONTAINS IMPORTANT SAFETY INFORMATION.

Diesel Gerenator

AH4000LN

PREFACE

Thank you for purchasing AMICO diesel generators.

This operation manual will tell you how to operate and service your AMICO generation set correctly.
Please read this manual before using the generating set to ensure the proper operation. Follow the instructions to keep your generating set in the best working condition and extend the life of it. If you have any commends or problem, please contact with our sales company or the authorized agent.
This manual deals with the general items of the AMICO diesel generating set. However, the manual may vary with the development of the products in the future.
Please give special attentions to warnings and cautions.

⚠ WARNING

Failure to properly follow these precautions can result in property damage, serious injury or DEATH!
Read all labels and the owner's manual before operating this generator.
Operate only in well ventilated areas. Exhaust gas contains poisonous carbon monoxide, and can be deadly. Always stop engine before refueling. Wait 5 minutes before restarting.
Check for spilled fuel or leaks. Clean and/or repair before use.
Keep any sources of ignition away from fuel tank, at all times.

⚠ WARNING Indicates that the severe personal injury even death will result if the instructions are not followed.

⚠ CAUTION Indicates that the serious personal injury or equipment damage will result if the instructions are not followed.

AMICO diesel generating set will meet your requirement if you operate it according to the manual instruction. Otherwise serious personal injury and equipment damage will result.
So, AMICO reconfirms that ou must to read and understand this manual before operating the generating set.

WARNING:

⚠ CAUTION

1. TO PREVENTTHE FIRE

Never add fuel to the fuel tank while the engine is running.
Wipe off the overflowed fuel oil with a clean cloth. Keep explosives and other flammable products away from the generating set.

■ To prevent the fire and to I~rovide adequate ventilation, keep the generating set at least one meter away from buildings and other equipment during operation.

■ Operate the generating set on a level surface,

■ Do not put the generating set indoors while the engine is hot.

2. TO PREVENT FROM INHALING THE EXHAUST

Exhaust gas contains poisonous carbon monoxide, which is harmful to the health. Never use the generating set at the confined places or poor ventilated locations, If it's necessary to run the generating set indoors, be sure to provide the adequate ventilation.

3. BE CARE NOT TO BE SCALDED

The muffler and the engine body are very hot while the engine is running or just after running, do not touch these parts to prevent from being scalded.

4. ELECTRIC SHOCKS, SHORT CIRCUITS

To avoid electric shocks or short circuits, do not touch the generating set when your hands are wet. This generating set is net waterproof, so it should not be used in a place exposed to rain snow or water sprays. Use of the generating set tor in a wet place can cause short circuits and electric shocks during operation.

■ The generating set should be grounded to prevent electrical shocks from faulty appliances. Connect a length of heavy wires between the generating set s ground terminal and an external ground source.

■ Do not hook up tools or other apparatus to generating set rator before it has been started. If equipment is attached, generator starting may cause sudden movements of the equipment and result in injuries and accidents. Be sure to disconnect any apparatus from the generating set or prior to starting.

⚠ CAUTION

- Most appliance motors require more than their rated wattage for start-up.
- Do not exceed the specified current limit of any socket.
- Do not connect the generating set to a household circuit. This could cause damage to the generating set and to electrical appliances in the house.

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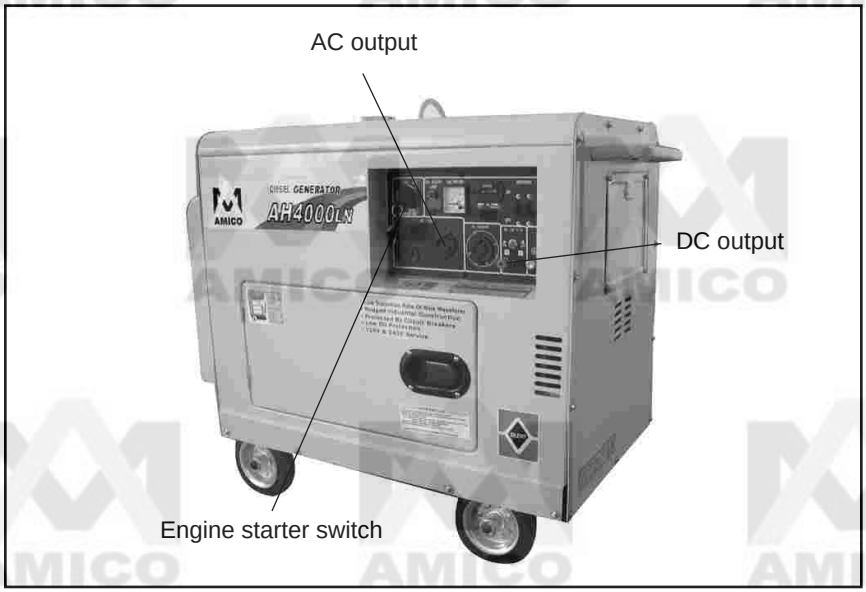
1. MAIN TECHNICAL SPECIFICATIONS AND DATA

Item \ Model		AH4000LN
Generator	Rated frequency (Hz)	60
	Rated power (kVA)	4.0
	Rated voltage (AC)(V)	120/240
	Rated current (AC)(V)	33/16.5
	Rated revolution speed(r/min)	3600
	Power factor (cosϕ)	1
	Excitation mode	Controlled silicon self excitation constant voltage
	DC output	12V/8.3A
	Operation mode	12 hour continuous running
	Coupling method	Transmission rigid connection
	Engine Model	AHD186
	Gross weght(kg)	165
	Overall dimensions(LxWxH)(mm)	950x565x760

2.CONFIGURATION

2.1 Parts name



2.2 Control panel

AH6000LN

3. PREPARATION FOR STARTING

3.1 Selection and handling of the fuel oil

■ Selection of fuel oil

Only use the light diesel, which is most suitable for the engine,

■ Keep dust and water out of the fuel

When filling the fuel tank from drums, make sure that no dust or water is mixed in the fuel. Otherwise the serious fuel injection pump and nozzle problems will result

■ Do not overdill

Overfilling is very dangerous, De not fill the tank beyond the top of the red plug inside the fuel oil fillter.

⚠ WARNING

- Refuel in a well-ventilated area with the engine stopped.
- Do not smoke or allow flames or sparks in the area where the engine is refueled or where the fuel oil stored,
- Do not overfill the tank, make sure the filler cap is securely closed after refueling.
- Be careful net to spill fuel when refueling. If any fuel is spilled, make sure the area is dry before starting the engine.

3.2 Check and refill the engine oil

⚠ WARNING

- Always check the engine oil level with the generating set on a level surface before starting and refill if necessary.
- The engine may be damaged if operated with insufficient engine oil, it is also dangerous to refill too much engine oil as sudden increase in engine speed may be caused by its combustion.

⚠ WARNING

AMICO series generating set are equipped with Iow oil warning system This system will stops the engine automatically when the oil level falls below the lower level. This prevents accidents such as bearing seizures, etc.
Select the most applicable engine oil

- It is very important to select the applicable engine oil for keep up the performance and life of the generating set, If inferior engine oil is used, or it your engine oil is not replaced periodically, the risk of piston seizure, piston ring sticking and accelerated wear of the cylinder liner, bearing and other moving components increases significantly. So the generating set life will be shortened AMICO recommends CC/CD oil classified by API. Choose the applicable viscosity oil according to the local ambient temperature.

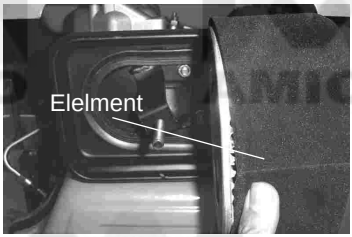
3.3 Service the air cleaner

1. Screw off the wing nut remove the air cleaner cover and take out the element.

⚠ WARNING

- Do not wash the element with detergent.
- Replace the element when its output decrease or a bad exhaust color is noticed.
- Never run the generating set without the element, otherwise the rapid engine wear will result.

2. Reattach the air cleaner cover and screw on the wing nut.



3.4 Check the generating set

1. Turn off the main switch and any other loads.

⚠ WARNING

Be sure to turn offthe main switch before starting.
The generating set should be earthed to prevent electric shocks.

⚠ WARNING

The generating set should be earthed to prevent electdc shocks.

2. Handling of dual voltage type generating sets
Be sure to place the changeover switch in the correct position for the rated voltage of the working instrument.

⚠ CAUTION

- The main switch should always be kept in the "ON" position during operation.
- Before starting the engine, be sure to turn the switches of the working instrument (lighting apparatus, motor, etc.) to their "OFF" position. If the switches are not "OFF", the sudden application of load when the engine is started could be very dangerous.

3-5 How to open the cabinet door and covers of AMICO LN series generating set

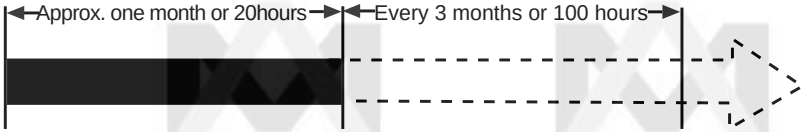
1. Open the cabinet door for daily inspection.
Tum the lever counter clockwise and raise the door.
2. Loosen the bolt of the air cleaner check port cover to check the air cleaner.
3. Screw off the wing nut to open the cover, then check the nozzle cover.

3.6 Break-in period operation

The first 20hrs are the break-in period of the engine, the operator must obey to following items:

Warm up the engine 5 minutes after the initial starting. Run the engine at Iow speed and zero load before the engine becomes warm

- Avoid applying any heavy loads during the break-in pedod AMICO recommends to run the engine at 3600 r/min with 50% load in break-in period.
  Replace the engine oil on time.
- Replace the engine oil while the engine is warm after 20-hours -running. the old engine oil will be drained out completely.



4. START THE GENERATING SET

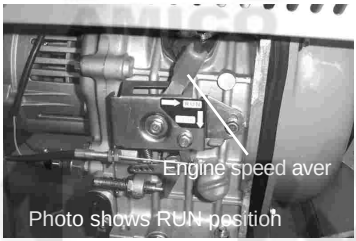
⚠ WARNING

- Do not hook up tools or other apparatus to the generating set before starting.

1. Starting

■ Open the fuel cock.

■ Set the engine speed lever at "RUN" position.



■ Turn the starting key clockwise to "START" position.
Remove your hand from the key as soon as the engine starts.
If the starting motor does not start after 10 seconds, wait 15 seconds before starting it again.

⚠ CAUTION

- Run the starting motor for long time will cost the battery power greatly even burn out the molor.
- Always leave the starting key at "ON" position while the engine is running.

2. Battery

1.when you install it,frist check batteryís polarity if it is same with generatorís anode &cathode line,check volt if it is 12.3V,otherwise must electricize,

2.every month check volt if it is right,free charge maintenance batteryís charge,volt is 13.5V-14.5v

3.check electric systerm if it have creepage,otherwise damage battery,

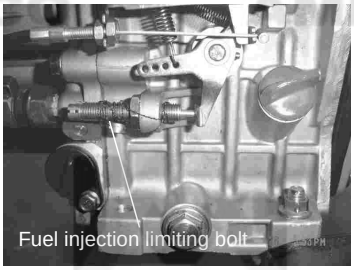
4.if batteryís volt is not enough,electrica energy is low,please remove of battery and electricize, on time,only have 5-6hours is ok,

5.battery put on the place of low temperature,dryness,aeration,clean,three month or six month must need electricize,

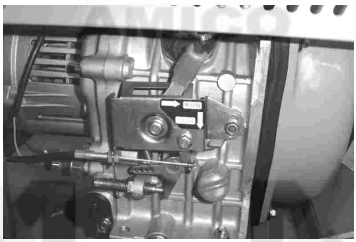
5. OPERATE THE GENERATING SET

5.1 Operate the generating set

1. Warm up the engine without load three minutes.



2. Concerning the generating set with Low Oil Warning System, check that the Oil Alarm Lamp is net lit.



⚠ CAUTION

- For the generating set with Low Oil Warning System, the Oil Alarm Lamp will activated by Iow oil pressure or engine oil shortage, simultaneously, the engine will stop. The engine will stop immediately if restarted without refilling the engine oil Check the oil level and refill.
- Do not loosen or readjust either the engine speed limiting bolt or fuel injection limiting bolt, otherwise, the performance will be affected.

5.2 Checks during the running

1. Whether there is abnormal sound or vibration;
2. Whether the engine misfires or runs rough;
3. Check the color of the exhaust. (Is it black or too white?)

If you notice any of the above-mentioned phenomenon happened, stop the ehgine and find out the fault cause or contact with AMICO agent.

⚠ CAUTION

- If the engine has been running, the muffler will be very hot, Be careful not to touch the muffler.
- Never refill the fuel tank while the engine is running.

6.LOAD

⚠ CAUTION

- DO not start 2 or more machines simultaneously Start them one by one.
- Do not use floodlights together with other machines.

6.1 AC application

1. Be sure to run the generating set at rated speed, otherwise capacitor will produce the forced excitation. If the running is for a long time under such condition. capacitor will be burned out,
2. After switching on the air switch, observe the voltmeter on the panel of the control cabinet, the voltmeter should point to 120V±5%(60Hz) for single-phase gener ating set; 120V/240V±5%(60Hz) for single-phase generating set, then the loading can be carried out.
3. When the double voltage generating set changes over the voltage, the air sw.~,I should be set at "OFF" position Otherwise the generating set and electric devices will be burned out and damaged.
4. Connect the equipment to the generating set in order Forthematterofthemotor load, firsPy the heavy-duty motor should be connected, then the light-duty motors If the operation is false, the generating set will lag or stop suddenly It is necessary to unload the generating set immediately and turn offthe main switch and do checks.

⚠ NOTE

- If overloading of the circuit trips the AC circuit protector, reduce the electrical load on the circuit, and wait a few minutes before resuming operation.

6.2 DC application

1. DC terminals are only for charging 12V battery,
2 Set the air switch at "OFF" position while charging. On the 12V output terminals, a charge switch can be connected so the switch can be used for on-and-off purpose
3. Loncerning the automatic type battery with the leads, be sure to disconnect the negative leads of the battery while charging.

⚠ CAUTION

- Connect the positive and negative poles of the battery with the positive and negative poles of DC terminals separately. Do not confuse them, otherwise the battery and generating set will burn out
- Do not connect the positive pole of the battery with its negative pole, otherwise the battery damage will result,
- Do not connect the positive pole of the DC terminal with its negative pole. otherwise the generating set damage will result,
- When a large capacity battery is charged, excessive current flows, the fuse for the direct current will burn out,
- Do not run the generating set while it is still connected with the battery,
- Do not use DC12V and AC at the same time.

⚠ CAUTION

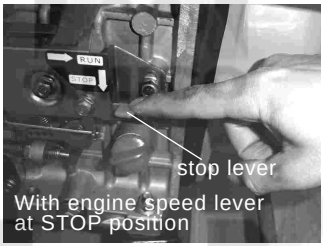
- Battery exhausts explosive gas. Keep sparks, flames, and cigarettes away form the battery. To prevent from creating a spark near the battery, always connect the charging cables to the battery first and only then to the generating set. When disconnecting, you should disconnect the cables at the generating set first.
- Charge the battery at a well-ventilated place,
- Before charging, remove the cap from each cell of the battery.
- Stop charging if the electrolyte temperature exceed 45 C.

6.3 Electrical appliance particularly motor-driven equipment will produce very high current while starting, the below table provides the reference for connecting these apparatus to the generator set.

TYPE	WATTAGE		TYPICAL APPLIANCE	EXAMPLE		
	STARTING	RATED		APPLIANCE	STARTING	RATED
• Incandescent lamp • Heating appliance	XI	XI	Incandescent lamp 	Incandescent lamp 100W	I00VA (W)	I00VA (W)
• Fluorescent lamp	X2	XI .5	Fluorescent lamp	Fluorescent lamp	80VA (W)	60VA (W)
• Motor-driven equipment	X3~5	X2	Refrigerator Electric fan	Refrigerator 150W	450-750VA (W)	300VA

7.STOP THE GENERATING SET

1. Disconnect the load from the generating set.
2. Turn off the breaker of the generating set.
3. Set the speed lever at "RUN" position, run the generating set without load for about 3 minutes. Do not stop the engine suddenly, otherwise the temperature will increase abnormally, the nozzle will blocked and the generating set will be damaged



With engine speed lever at STOP position

- Press down the stop lever
- Concerning the electric starter, turn the key to "OFF ",
- Turn the fuel cock lever to"S"position

⚠ WARNING

- If the engine keep on running even after the speed lever is placed at the "STOP'position, either turn the fuel cock to the "CLOSE"position or loosen the nut of high pressure fuel pipe on the pump side to stop the engine.
- Do not stop the engine with the decompression lever.
- Do not stop the generating set with load. Stop it after the load removed.

8. PERIODIC CHECK AND SERVICE

Periodic check and service are very important for keeping the engine in good condition and durable. The chart below indicates what checks to make and when to make them.

⚠ WARNING

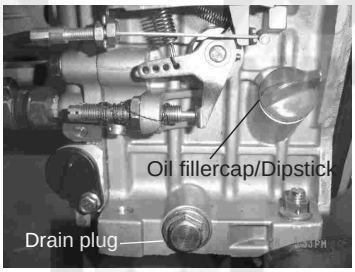
- Shut off the engine before performing any service. If the engine must be run, make sure the area is well ventilated. The exhaust contains poisonous carbon monoxide gas.
- After the generating set has been used, clean it immediately with a cloth to prevent corrosion and to remove sedimenh.

Interals / Item	Every day	First month or 20 Hrs	Third month or 100 Hrs	sixth month or 500 Hfs	Every year or 1000 Hrs
Check and refill fuel oil	◯				
Drain out fuel oil		◯			
Check and tighten engine oil	◯				
Check for oil leakage	◯				
Check and tighten fastening parts	◯			● Tighten the Cylinder head bolts	
Replace engine oil		◯ (First time)	◯ (Secondtime)		
Clean engine oil filter				◯(Replace if necessary	
Replace air cleaner element	(Service more frequently when used in dusty areas)			◯ (Replace)	
Clean fuel oil filter				◯	● (Replace)
Check fuel injection pump				●	
Check nozzle				●	
Check fuel pipe				● (Replace if necessary)	
Adjust clearance of intake/exhaust valves		● Fisrt time)		●	
Grind intake/exhaust valves					●
Replace piston ring					●
Check battery electrolyte	Every month				
Check carbon brush and slip ring				●	
Check insulation resistance	The generating set has been stored more than lOdays				◯

Note:"◯" indicates that special tools are required, please contact with AMICO agent.

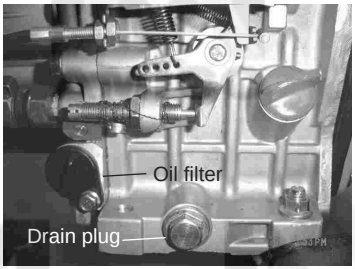
8.1 Replace engine oil

Remove the oil filler cap. Remove the drain plug and drain the old oil while the engine is still warm. The plug is located on the bottom of the cylinder block. Tighten the drain plug and refill with the recommended oil.



8.2 Clean the engine oil filter

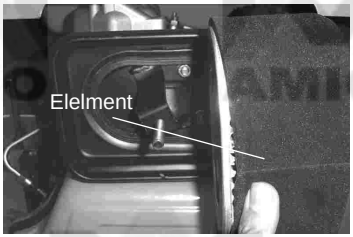
Cleaning time	Every 6 months or 500 hours
Replace if necessary	



8.3 Replace the air cleaner element

Do not clean the air cleaner element with detergent.

Replace time	Every 6 months or 500 hours



⚠ CAUTION

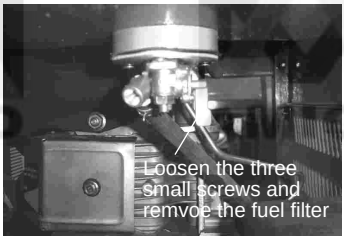
■ Never run the engine without the element or with a defective element.

8.4 Clean and replace fuel oil filter

The fuel oil filter also has to be cleaned regularly to insure maximum engine output.

Clean time	Every 6 months or 500 hfs
Replace time	Every year or 1000 hrs

1. Drain out the fuel from the fuel tank.



2. Drain out the fuel from the fuel tank.Screw off the small screw of the fuel cock and pull out the filter from the filler port.
3. Wash the filter thoroughly with diesel fuel.Loosen the fastening nut, bottom cover and delivery discs for cleaning the deposit carbon.

8.5 Tighten cylinder head bolt

Tightening the cylinder head bolt requires a special tool. Do not try yourself. Contact with AMICO agent.

8.6 Check the injection nozzle and fuel injection pump

1. Adjust the clearance of the intake/exhaust valves,
2. Grind the intake/exhaust valves.
3 Replace the piston ring.

All these operation require special tools and skills, contact with your AMICO agent.

⚠ WARNING

- Do not perform the injection nozzle test near an open fire or any other kind of fire. The fuel spray may ignite. De not expose bare skin to the fuel spray The fuel may penetrate the skin and cause injury to the body. Always keep your body away from the nozzle.

8.7 Check the battery and charge the battery

1.when you install it,frist check batteryís polarity if it is same with generatorís anode &cathode line,check volt if it is 12.3V,otherwise must electricize,
2.every month check volt if it is right,free charge maintenance batteryís charge,volt is 13.5V-14.5v
3.check electric systerm if it have creepage,otherwise damage battery,
4.if batteryís volt is not enough,electrica energy is low,please remove of battery and electricize, on time,only have 5-6hours is ok,
5.battery put on the place of low temperature,dryness,aeration,clean,three month or six month must need electricize,

⚠ WARNING

- The battery electrolyte contains sulfuric acid. Protect your eyes, skin and clothing. In case of contact, flush thoroughly with water and get prompt medical attention, especially if yur eyes are affected.
- The battery exhaust hydrogen gas, which can be highly explosive. Do not smoke or allow flames or sparks near the battery, especially during charging.

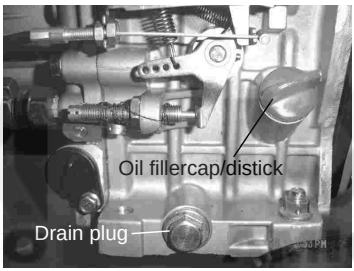
8.8 Check the generating set carbon brush and slip ring

Often check the generating set carbon brush and slip dng. Readjust if there is spark.

9. LONG-TERM STORAGE

If store the generating set for long periods, make the following preparations.

1. Operate the engine for about 3 minutes and then stop.
2. Stop the engine. Drain the engine oil while the engine is still warm and fill with fresh oil.

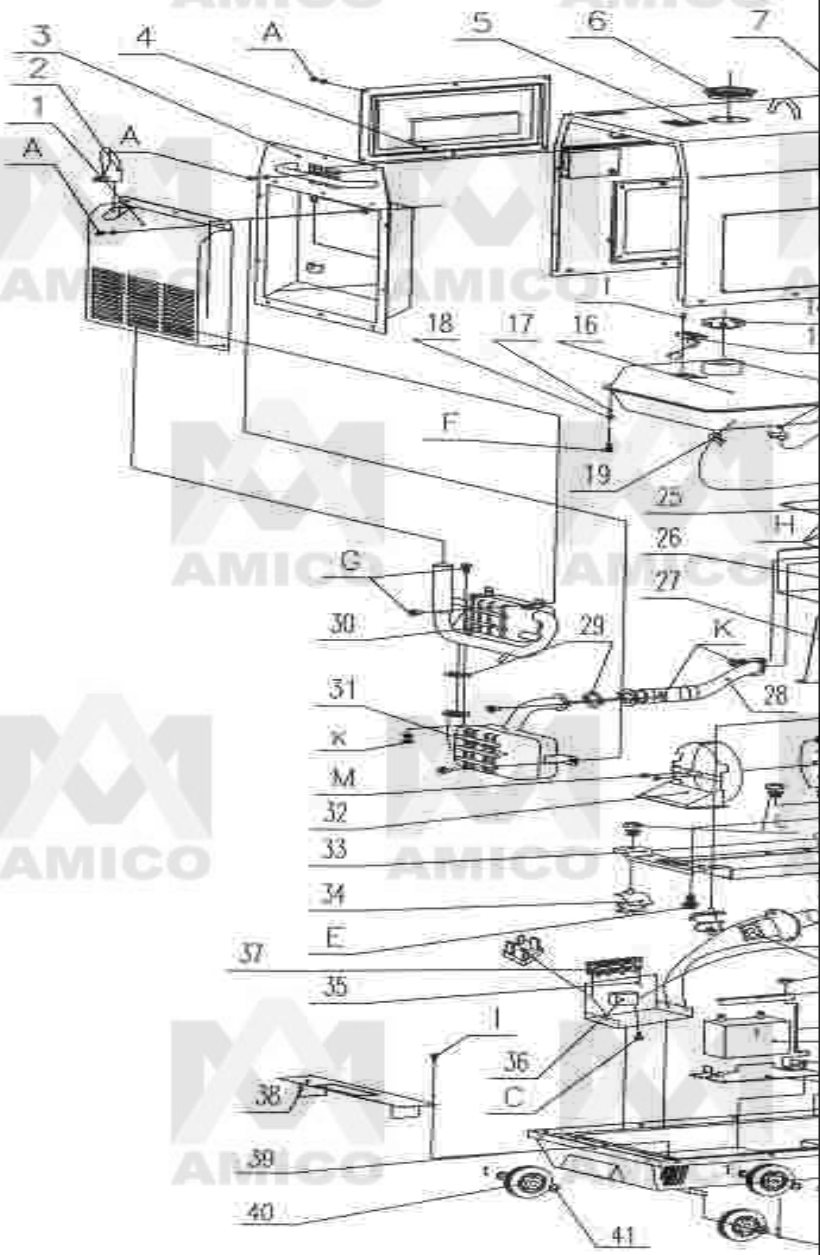


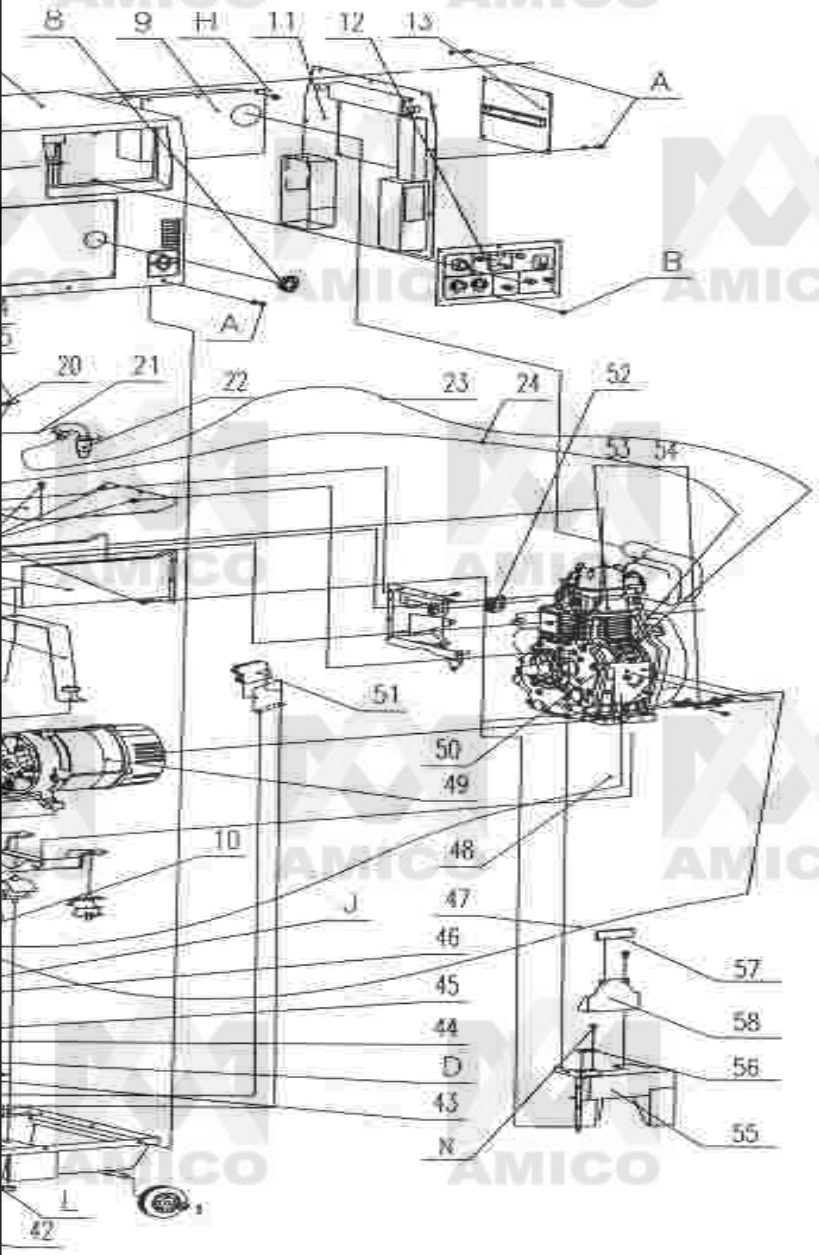
3. Remove the screw plug on the cylinder head cover and refill 2cc engine oil, then put the plug in place,
4. Turn the engine 2~3 seconds with the decompression lever set at the non-compression position, and the starting key at the "START" position.((Do not start the engine.)
5. Pull the decompression lever up. Pull the recoil starter slowly. Stop when you feel resistance.(at this position, both intake/exhaust valves are closed to prevent the engine from the rust.)
6. Wipe off the oil and dirt from the engine and store in a dry place

10.TROUBLESHOOTING AND REMEDY

	Fault Cause	Remedy
The diesel engine can not start	Fuel oil is not sufficient	Refill the fuel oil
	Fuel cock is not at START position	Turn it to START position
	Fuel injection pump and nozzle do not delivery the fuel or delivery insufficient fuel.	Remove the nozzle and repair it at test table.
	The governor lever is not at START position.	Set the leverto START position
	Check the engine oil level.	The specified oil level should be between the upper level and lower level.
	The nozzle has dirty.	Clean the nozzle
	The speed and force to pull the recoil starter are not enough,	Start the engine according to the start procedures included in this book.
	The battery has no electricity.	Charge it or replace it with a new one.
The generating set can not generate	Main switch not be turned on,	Turn the main switch to ON position.
	The carbon brush already worn.	Replace the carbon brush.
	The contact of the socket is not good.	Adjust the socket.
	The rated speed can not attached.	Adjust it according to the requirements.
	AVR is damaged.	Replace the AVR

11.DETAIL DIAGRAM

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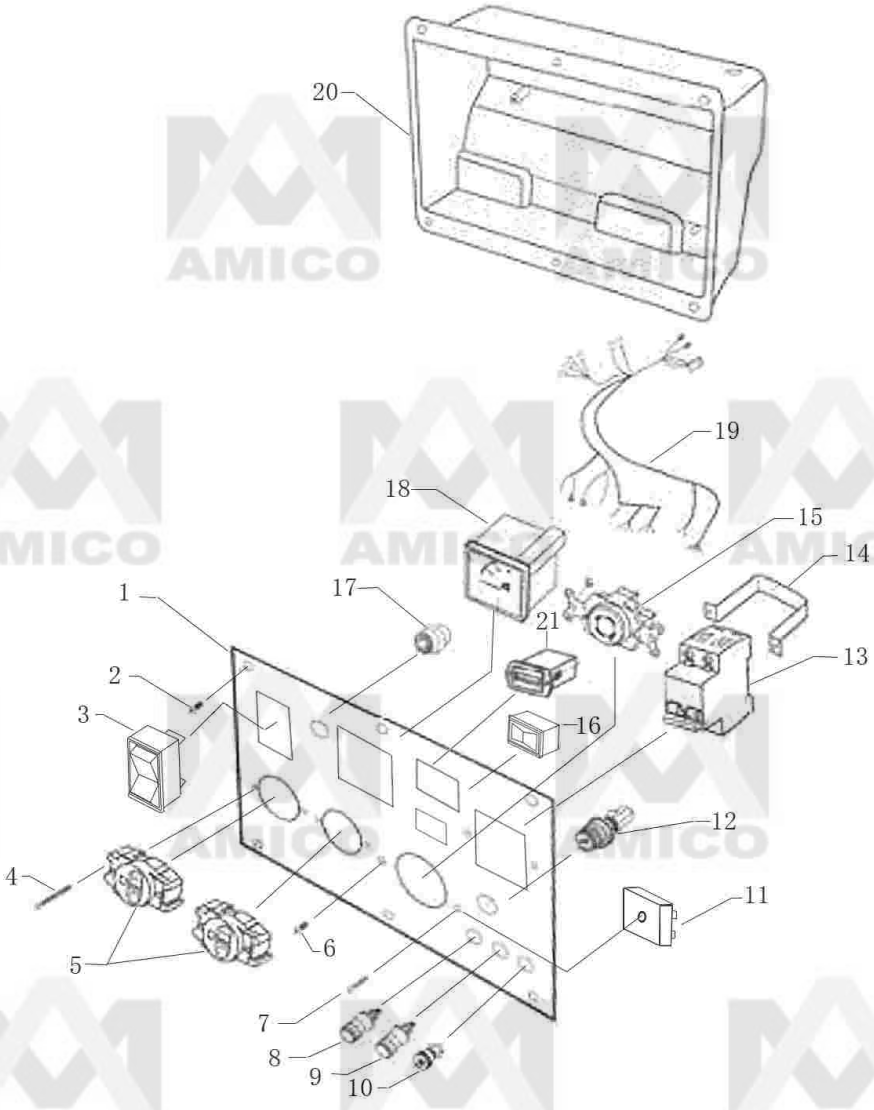
Number	Part Description	Quantity	Part Number
1	Silencer Cover	1	AH4000LN001
2	Silencer Bend	1	AH4000LN002
3	Left Board	1	AH4000LN003
4	Back Door	1	AH4000LN004
5	Fixing Sleeve For Observing Bore	1	AH4000LN005
6	Fixing Sleeve For Input Of Fule Tank	1	AH4000LN006
7	Main Cover	1	AH4000LN007
8	Swich	1	AH4000LN008
9	Air Filter Baffle	1	AH4000LN009
10	Accelerator Electomagnet	1	AH4000LN010
11	Right Board	1	AH4000LN011
12	Output Panel Assembly	1	AH4000LN012
13	Cover Of Observing Bore For Air Filter	1	AH4000LN013
14	Cover Of Fuel Tank	1	AH4000LN014
15	Buoy For Oil Leverl Indication	1	AH4000LN015
16	Fuel Tank	1	AH4000LN016
17	Lining	1	AH4000LN017
18	Shock Absorption Mat	1	AH4000LN018
19	Clip	1	AH4000LN019
20	Clip	1	AH4000LN020
21	Fuel Inlet Pipe	1	AH4000LN021
22	Fuel Filter Assembly	1	AH4000LN022
23	Fuel Inlet Pipe	1	AH4000LN023
24	Fuel Leak-off Pipe	1	AH4000LN024
25	Cover Of U Type Chamfer	1	AH4000LN025
26	U Type Chamfer	1	AH4000LN026
27	Support Of U Type Chamfer	1	AH4000LN027
28	Output pipe	1	AH4000LN028
29	Gasket Of Silencer	1	AH4000LN029
30	Upper Silencer	1	AH4000LN030
31	Low Silencer	1	AH4000LN031
32	Back Cover Of Alternator	1	AH4000LN032
33	Bracket	1	AH4000LN033
34	Shock Absorption Mat	4	AH4000LN034
35	Tow Structure Of Accelerator	1	AH4000LN035
36	Electomagnet	1	AH4000LN036
37	Bracket Of Electomagnet	1	AH4000LN037
38	Long Cover	1	AH4000LN038
39	Chassis	1	AH4000LN039
40	Rolling Wheel On Chassis	4	AH4000LN040
41	Flat Key	4	AH4000LN041
42	Pin	4	AH4000LN042
43	Motherboard Of Accumulator	1	AH4000LN043
44	Accumulator	1	AH4000LN044
45	Bolt	1	AH4000LN045

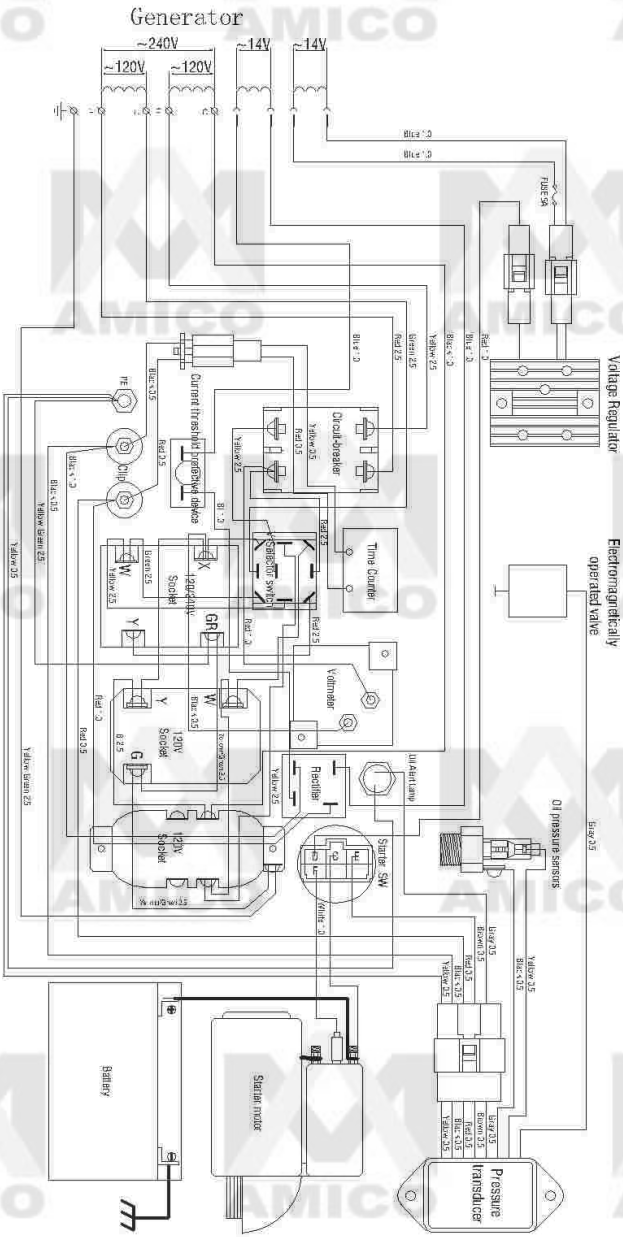
Number	Part Description	Quantity	Part Number
46	Pressingplate Of Accumulator	1	AH4000LN046
47	Pulling Wire For Throttle	1	AH4000LN047
48	Pulling Wire For Turn-off	1	AH4000LN048
49	Alternator	1	AH4000LN049
50	Output Wind Leading Shaft	1	AH4000LN050
51	Manostat	1	AH4000LN051
52	Gasket Of Output Bore	1	AH4000LN052
53	Cf Series Disel Engine	1	AH4000LN053
54	Pulling Role For Accelerator	1	AH4000LN054
55	Intake Wind Leading Shaft	1	AH4000LN055
56	Pressing Plate Of High Pressure Fuel Pipe	1	AH4000LN056
57	Shock Preventing Mat	1	AH4000LN057
58	Shock Preventing Holder	1	AH4000LN058
A	M6*16 Bolt,Flat Key	41	AH4000LN059
B	M6*8 Bolt	4	AH4000LN060
C	M4*8 Bolt	4	AH4000LN061
D	M6*12 Bolt	4	AH4000LN062
E	M10*45 Bolt	4	AH4000LN063
F	M6*16 Bolt	4	AH4000LN064
G	M8*25 Bolt	5	AH4000LN065
H	M6*12 Bolt	17	AH4000LN066
I	M5*8 Bolt	12	AH4000LN067
J	M6 Nut	2	AH4000LN068
K	M8 Nut*Flat Spring Washer	6	AH4000LN069
L	M10 Nut*Flat Spring Washer	12	AH4000LN070
M	M5*12 Bolt	2	AH4000LN071
N	M6*22 Bolt	2	AH4000LN072

12.PANEL DETAIL DIAGRAM



Number	Part Description	Quantity	Part Number
1	Panel	1	AH4000LN073
2	M6X12 Bolt	6	AH4000LN074
3	Starter Switch	1	AH4000LN075
4	M4X30 Bolt	4	AH4000LN076
5	3 Prong Socket	2	AH4000LN077
6	M4X15 Bolt	2	AH4000LN078
7	M5X25 Bolt	2	AH4000LN079
8	Positive DC Port	1	AH4000LN080
9	Negative DC Port	1	AH4000LN081
10	Grounded Bolt	1	AH4000LN082
11	Integrating	1	AH4000LN083
12	DC Fuse	1	AH4000LN084
13	Breaker	1	AH4000LN085
14	Breaker Bracket	1	AH4000LN086
15	4 Prong Socket	1	AH4000LN087
16	Current Adjusting Switch	1	AH4000LN088
17	Oil Alert Lamp	1	AH4000LN089
18	Voltmeter	1	AH4000LN090
19	Wiring Harness	1	AH4000LN091
20	Box	1	AH4000LN092
21	Hour meter	1	AH4000LN093

13.WIRING DIAGRAM



Limited Warranty

AMICO provides a one-year limited warranty for AMICO generators. All products covered by this limited warranty which are used in commercial applications are warranted to be free of defects in material and workmanship for 90 days from the date of original purchase. AMICO warrants to the original purchaser that the alternator and engine for its portable generator will be free from the defects in materials or workmanship for the items and period set forth below from the date of original purchase.

During warranty period, AMICO will repair or replace any part that, upon examination by AMICO, is found to be defective under normal use and service. Starting batteries are not warranted by AMICO. All transportation cost under warranty including return to the factory if necessary, are to be prepaid by the purchaser. All decisions of AMICO with regard to this limited warranty shall be final.

This warranty does not cover:

1.Merchandise sold as reconditioned, used as rental equipment, or floor or display models.

2.Merchandise that has become damaged or inoperative because of ordinary wear, misuse, cold, heat, rain, excessive humidity, freeze damage, use of improper chemicals, negligence, accident, over loading, over speeding, improper maintenance, the use of accessories or attachments not recommended by AMICO, or unauthorized repair or alterations.

3.Expendable parts or accessories supplied with the product which are expected to become inoperative or unusable after a reasonable period of use.

4.Any incidental, indirect or consequential loss, damage, or expense thatmay result from any defects, failure or malfunction of the products is not covered by this warranty.

For service, please e-mail to or fax to 562-908-1899, Warranty service can be performed only by AMICO authorized service facility. This warranty will not apply to service at any other facility. At the time of requesting warranty service, evidence of original purchase date must be presented.

PRODUCT REGISTRATION CARD

For more efficient customer service, please fill out the information below and mail to our produce Warranty and Registration Division:

Amico International Corp.
4825 Gregg Road,
Pico Rivera, CA 90660, U.S.A
Tel: 562-908-0088 Fax: 562-908-1899
Website: www.amicousa.com

Model No. _____ Engine Serial No._____ Purchase Date.___/___/___

Purchased from: [ ] Retail location [ ] Private Consumer [ ] Other_____
Name _____
Address _____
Telephone w/area code _____ Purchase Price_____

Purchased: [ ] NEW or [ ] USED

Consumer information :
Name _____ Telephone w/area code _____
Address _____ Suite or Apt No._____
City_____ State_____ Zip Code _____
Country _____
Are you a: [ ] Business or [ ] Residence

Product Usage Information :
How often will you use this product?
[ ] Everyday [ ] Periodically
[ ] Emergency use only [ ]Other_____

What type of application will you use this produce in ?
[ ]Heavy Commercial [ ]Moderate Commercial
[ ]Light Commercial [ ] Tradeshows
[ ] Heavy residential [ ] Moderate Residential
[ ]Light Residential [ ]Camping, backpacking
[ ]Other_____

IMPORTANT I NFORIJAT I ON
It is critical to your warranty that the original point of sales receipt be retained by current consumer, and in order to comply with our product Warranty Statement you must return this registration card within 15 days of original purchase. Product warranty is valid from original date of purchase.

List for comments from users

		Date of Manufacture	
Name of user		Model Number	
Address of user		Occupation	
Place of purchase			
Packaging conditions			
Operating conditions			
Parts Conditions			
Malfunction problem			
Opinions or suggestions			

Note: Please mail the above card to:
Amico International Corp.
4825 Gregg Road,
Pico Rivera, CA 90660, U.S.A
Tel: 562-908-0088 Fax: 562-908-1899
Website: www.amicousa.com

Appendix:

1. Attached list of tools, fittings, and subassemblies

Order No.	Name	Qty	Remarks
1	4-Stroke Air-cooled Diesel Generator Set	1	
2	Kit	1	
3	Plastic cover	1	
4	Plug and power supply	1	

2. Attached technical documents

Order No.	Name	Qty	Remarks
1	Air cooled diesel generator manual	1	
2	Diesel engine instruction manual	1	
3	Diesel engine parts listing	1	
4	Certificate of Quality	1	
5	Packing List	1	